CLAIMS

 A recording medium having a data structure for managing to resume reproduction of at least video data recorded on the / recording medium, having data recorded thereon, the data
 comprising:

at least one data playing unit including the video data; and navigation information for managing the data playing unit, wherein the navigation information includes control information to indicate whether resumption of the data playing unit 10 is permitted or not.

- 2. The recording medium of claim 1, wherein the data playing unit is a title or a program chain.
- 3. The recording medium of claim 2, wherein the control information is recorded in a program chain information table pertaining to the navigation information.
 - 4. The recording medium of claim 1, wherein the data playing unit is a data section specified by a movie object constituting a title.
- 5. The recording medium of claim 4, wherein the control information is recorded in the movie object pertaining to the navigation information.
 - 6. The recording medium of claim 1, wherein the navigation information further includes commands to conduct operations according to value of the control information.
- 7. The recording medium of claim 1, wherein the control information is applied when menu presentation is called during reproduction of the data playing unit.
- 8. A recording medium having a data structure for managing to resume reproduction of at least video data recorded on the 30 recording medium, having data recorded thereon, the data comprising:

menu data;

at least one data playing unit including the video data; and navigation information for managing the data playing unit, wherein the navigation information includes control

- 5 information to indicate a behavior on the data playing unit when reproduction of the menu data is called during reproduction of the data playing unit.
- 9. The recording medium of claim 8, wherein the control information indicates that the data playing unit is discarded when reproduction of the menu data is called during reproduction of the data playing unit.
- 10. The recording medium of claim 8, wherein the control information indicates that the data playing unit is suspended when reproduction of the menu data is called during reproduction of the data playing unit.
 - 11. A recording medium having a data structure for managing to resume reproduction of at least video data recorded on the recording medium, having data recorded thereon, the data comprising:

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at least one data playing unit including the video data; and navigation information for managing the data playing unit, wherein the navigation information includes control information to indicate whether or not to store current reproduction location on the data playing unit when reproduction of the menu data is called during reproduction of the data playing unit.

12. A recording medium having a data structure for managing to resume reproduction of at least video data recorded on the recording medium, having data recorded thereon, the data

30 comprising:

menu data;

at least one data playing unit including the video data; and navigation information for managing the data playing unit.

wherein the navigation information includes control information to indicate whether or not to update location information to resume from, when reproduction of the menu data is called during reproduction of the data playing unit.

13. A method for recording a data structure for managing to resume reproduction of at least video data on a recording medium, comprising:

recording at least one data playing unit including the video data on the recording medium; and

recording navigation information for managing the data playing unit on the recording medium,

wherein the navigation information includes control information to indicate whether resumption of the data playing unit is permitted or not.

14. A method for recording a data structure for managing to resume reproduction of at least video data on a recording medium, comprising:

recording menu data and at least one data playing unit including the video data on the recording medium; and

recording navigation information for managing the data playing unit on the recording medium,

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wherein the navigation information includes control information to indicate a behavior on the data playing unit when reproduction of the recorded menu data is called during reproduction of the data playing unit.

15. A method for recording a data structure for managing to resume reproduction of at least video data on a recording medium, comprising:

recording menu data and at least one data playing unit 30 including the video data on the recording medium; and

recording navigation information for managing the data playing unit on the recording medium,

wherein the navigation information includes control

information to indicate whether or not to store current reproduction location on the data playing unit when reproduction of the recorded menu data is called during reproduction of the data playing unit.

16. A method for recording a data structure for managing to 5 resume reproduction of at least video data on a recording medium, comprising:

recording menu data and at least one data playing unit including the video data on the recording medium; and

recording navigation information for managing the data 10 playing unit on the recording medium,

wherein the navigation information includes control information to indicate whether or not to update location information to resume from, when reproduction of the recorded menu data is called during reproduction of the data playing unit.

17. An apparatus for recording a data structure for managing to resume reproduction of at least video data on a recording medium, comprising:

a drive for driving an optical recording means that records data on the recording medium;

an encoder for encoding the video data; and

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a controller for controlling the drive to record the encoded video data as at least one data playing unit on the recording medium, and for creating navigation information for managing the data playing unit and controlling the drive to record the created navigation information on the recording medium,

wherein the navigation information includes control information to indicate whether resumption of the data playing unit is permitted or not.

18. An apparatus for recording a data structure for managing 30 to resume reproduction of at least video data on a recording medium, comprising:

a drive for driving an optical recording means that records data on the recording medium;

an encoder for encoding the video data and menu data; and a controller for controlling the drive to record the encoded data on the recording medium such that the encoded video data is recorded as at least one data playing unit, and for creating navigation information for managing the data playing unit and controlling the drive to record the created navigation information on the recording medium,

wherein the navigation information includes control information to indicate a behavior on the data playing unit when reproduction of the recorded menu data is called during reproduction of the data playing unit.

19. An apparatus for recording a data structure for managing to resume reproduction of at least video data on a recording medium, comprising:

a drive for driving an optical recording means that records data on the recording medium;

an encoder for encoding the video data and menu data; and a controller for controlling the drive to record the encoded data on the recording medium such that the encoded video data is recorded as at least one data playing unit, and for creating navigation information for managing the data playing unit and controlling the drive to record the created navigation information on the recording medium,

wherein the navigation information includes control
information to indicate whether or not to store current reproduction
location on the data playing unit when reproduction of the recorded
menu data is called during reproduction of the data playing unit.

20. An apparatus for recording a data structure for managing to resume reproduction of at least video data on a recording medium,30 comprising:

a drive for driving an optical recording means that records data on the recording medium;

an encoder for encoding the video data and menu data; and

a controller for controlling the drive to record the encoded data on the recording medium such that the encoded video data is recorded as at least one data playing unit, and for creating navigation information for managing the data playing unit and controlling the drive to record the created navigation information on the recording medium,

wherein the navigation information includes control information to indicate whether or not to update location information to resume from, when reproduction of the recorded menu data is called during reproduction of the data playing unit.

21. A method for reproducing a data structure for managing to resume reproduction of at least video data recorded on a recording medium, comprising the steps of:

reproducing a data playing unit including the video data from 15 the recording medium;

checking a resumable flag included in navigation information for managing the data playing unit if menu presentation is requested; and

conducting menu presentation operation after storing current reproduction location on the data playing unit, based on value of the resumable flag.

- 22. The method of claim 21, further comprising the step of resuming to reproduce from the stored reproduction location after menu operation commanded from a user.
- 23. A method for reproducing a data structure for managing to resume reproduction of at least video data recorded on a recording medium, comprising the steps of:

reproducing a data playing unit including the video data from the recording medium;

checking a resumable flag included in navigation information for managing the data playing unit if menu presentation is requested; and

conducting menu presentation operation after updating

information of location to resume from on the data playing unit, based on value of the resume flag.

- 24. The method of claim 23, further comprising the step of resuming to reproduce from the updated location information after 5 menu operation commanded from a user.
 - 25. An apparatus for reproducing a data structure for managing to resume reproduction of at least video data recorded on a recording medium, comprising:

a drive for driving an optical reproducing device to reproduce 10 data recorded on the recording medium;

- a decoder for presenting the reproduced data; and
- a controller for controlling the drive to reproduce a data playing unit including the video data from the recording medium,

wherein, if menu presentation is requested, the controller checks a resumable flag included in navigation information for managing the data playing unit, and controls the drive and the decoder to conduct menu presentation operation after storing current reproduction location on the data playing unit, based on value of the resumable flag.

- 26. The apparatus of claim 25, wherein the controller further controls the drive to resume reproduction from the stored reproduction location after menu operation commanded from a user.
- 27. An apparatus for reproducing a data structure for managing to resume reproduction of at least video data recorded on a recording 25 medium, comprising:

a drive for driving an optical reproducing device to reproduce data recorded on the recording medium;

- a decoder for presenting the reproduced data; and
- a controller for controlling the drive to reproduce a data 30 playing unit including the video data from the recording medium,

wherein, if menu presentation is requested, the controller checks a resumable flag included in navigation information for managing the data playing unit, and controls the drive and the

decoder to conduct menu presentation operation after updating information of location to resume from on the data playing unit, based on value of the resume flag.

28. The apparatus of claim 27, wherein the controller further controls the drive to resume reproduction from the updated location information after menu operation commanded from a user.